

Title (en)  
TYMPANIC MEMBRANE PRESSURE EQUALIZATION TUBE DELIVERY SYSTEM

Title (de)  
SYSTEM ZUR FREISETZUNG EINER TROMMELFELLDROCKAUSGLEICHSRÖHRE

Title (fr)  
SYSTÈME DE DISTRIBUTION DE TUBE D'ÉGALISATION DE PRESSION À MEMBRANE TYMPANIQUE

Publication  
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Application  
**EP 19192949 A 20100715**

Priority  
• US 22589309 P 20090715  
• EP 17209149 A 20100715  
• EP 13173409 A 20100715  
• EP 10735391 A 20100715  
• US 2010042128 W 20100715

Abstract (en)  
Systems are provided for automatically forming an incision in a tympanic membrane of an ear and placing a tympanic membrane pressure equalization tube into the incision. The systems include a housing with a shaft extending therefrom. A mechanism is disposed within the housing. A distal end of the shaft is placed against a tympanic membrane, and the mechanism is triggered to cause the tympanic membrane to be automatically incised and dilated and a tympanic membrane pressure equalization tube to be placed in the dilated incision, wherein the system includes a cutting dilator (400) at its distal end, rather than including a separate cutter and dilator.

IPC 8 full level  
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Citation (applicant)  
• US 22589309 P 20090715  
• US 74973310 A 20100330

Citation (search report)  
• [X] US 668879 A 19010226 - MILLER WILBER L [US]  
• [A] US 3913584 A 19751021 - WALCHLE DAVID L, et al  
• [A] GB 2437708 A 20071107 - YESHAYAHU KATS [IL], et al

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DOCDB simple family (publication)  
**WO 2011008948 A1 20110120**; AU 2010273372 A1 20120202; AU 2010273372 B2 20151001; BR 112012001039 A2 20190924; CA 2768009 A1 20110120; CA 2768009 C 20190122; CA 3018367 A1 20110120; CN 102510746 A 20120620; CN 102510746 B 20140820; DK 2649972 T3 20180122; DK 3329888 T3 20190923; EP 2453855 A1 20120523; EP 2453855 B1 20130626; EP 2649972 A1 20131016; EP 2649972 B1 20171227; EP 3329888 A1 20180606; EP 3329888 B1 20190828; EP 3649995 A1 20200513; ES 2428041 T3 20131105; IN 333DEN2012 A 20150821; JP 2012533359 A 20121227; JP 5596142 B2 20140924; KR 101763657 B1 20170801; KR 20120037480 A 20120419; MX 2012000691 A 20120316; RU 2012105314 A 20130820; RU 2543856 C2 20150310; US 2011015645 A1 20110120; US 8864774 B2 20141021

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**US 2010042128 W 20100715**; AU 2010273372 A 20100715; BR 112012001039 A 20100715; CA 2768009 A 20100715; CA 3018367 A 20100715; CN 201080041755 A 20100715; DK 13173409 T 20100715; DK 17209149 T 20100715; EP 10735391 A 20100715; EP 13173409 A 20100715; EP 17209149 A 20100715; EP 19192949 A 20100715; ES 10735391 T 20100715; IN 333DEN2012 A 20120112; JP 2012520778 A 20100715; KR 20127003590 A 20100715; MX 2012000691 A 20100715; RU 2012105314 A 20100715; US 83665410 A 20100715